

The Monitor

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The Newsletter of the ETV Advanced Monitoring Systems (AMS) Center



Verification Statements and Reports released this fall.

Congratulations, Vendors...

Congratulations were in order this month for the 10 vendor companies (see sidebar) with commercially available air and water monitoring technologies that recently received ETV verification statements and reports following completion of verification tests.

The verification tests were conducted by the Advanced Monitoring Systems Center (AMS), managed by Battelle in partnership with the U.S. Environmental Protection Agency's Environmental Technology Verification program (EPA/ETV). ETV was established to accelerate the use of improved, cost-effective environmental technologies through third-party verification testing of the technology's performance.

The verification statements were signed by senior officials in EPA's Office of Research and Development and Battelle, following approval of reports containing results of the verification tests.

The statements provide a summary of the performance characteristics of the monitors as verified under specific, pre-determined criteria and appropriate quality assurance procedures. Vendors completing the tests were encouraged by ETV and Battelle to use the verification statements and reports of test

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The 10 Technologies

Three Turbidimeters, which monitor the turbidity or cloudiness of water by measuring the level of light scattering in a water stream:

Monitek Technologies, Inc., Livermore, CA, *Monitek TST-5C*; e-mail { [HYPERLINK mailto:sales@monitek.com](mailto:sales@monitek.com); } phone 925-243-0050.

Sigrist-Photometer AG, Peak Process Controls, Schomberg, Ont., Canada, *Sigrist WTM500*; e-mail { [HYPERLINK mailto:sales@photometer.com](mailto:sales@photometer.com); } phone 905-939-0555.

Endress + Hauser Conducta GmbH, Gerlingen, Germany, *CUS31-W*; e-mail { [HYPERLINK mailto:info@holding.endress.com](mailto:info@holding.endress.com); } phone 800-428-4344.

Three Portable NO/NO₂ Analyzers, which measure nitrogen oxide and nitrogen dioxide from small combustion sources such as turbines, furnaces, stoves and water heaters that use fuels such as natural gas, propane, butane, and fuel oil:

Bacharach, Inc., Pittsburgh, PA; *ECA 450 Portable Emission Analyzer*; e-mail { [HYPERLINK mailto:daved@bacharach-inc.com](mailto:daved@bacharach-inc.com); } phone 412-963-2019.

Land Combustion, Bristol, PA; *Lancom Series II Portable Emission Analyzer*; e-mail { [HYPERLINK mailto:daniel.menniti@landinstruments.net](mailto:daniel.menniti@landinstruments.net); } phone 215-504-8000.

COSA Instruments Corp., Norwood, NJ; *Model 7000 Vario Plus Portable Emission Analyzer*; e-mail { [HYPERLINK mailto:cosa@cosaic.com](mailto:cosa@cosaic.com); } phone 201-767-6600.

Four Optical Open-Path Air Monitors, which are used at facilities concerned about the concentrations of volatile organic or inorganic pollutants emitted into the air:

AIL Systems, Inc., Deer Park, NY; *RAM 2000 FTIR*; e-mail { [HYPERLINK mailto:edward.schneid@dp.ail.com](mailto:edward.schneid@dp.ail.com); } phone 631-595-5603 or 800-264-7477.

Boreal Laser Inc., Spruce Grove, Alb., Canada; *GasFinder 2.0 TDL*; e-mail { [HYPERLINK mailto:info@boreal-laser.com](mailto:info@boreal-laser.com); } phone 780-987-4382.



The AMS Center is part of the U.S. Environmental Protection Agency's Environmental Technology Verification Program. ETV was established to accelerate the development and commercialization of improved environmental technologies through third-party verification testing and reporting of the technologies' performance. The ETV process provides purchasers and permittees with an independent assessment of the technology they are buying or permitting and facilitates multi-state acceptance. For further information, contact Helen Latham at Battelle, 505 King Ave., Columbus, Ohio 43201-2693; Phone 614-424-4062; Fax 614-424-5601; E-mail lathamh@battelle.org.

Congratulations . . . (continued from page 1)

results to market their instruments and to provide valuable information to possible users of the technologies, as well as to local, state, and federal agencies responsible for issuing permits.

The ETV program and Battelle also conduct a number of outreach services to announce the completion of verification tests. In addition to this newsletter, which is sent to approximately 1,400 people, these communications methods include:

- The ETV web site ({ HYPERLINK <http://www.epa.gov/etv> }), where copies of verification statements, verification reports, and technology profiles are posted
- The monthly listserv *ETVoice*, distributed by the ETV program to more than 3,000 individuals, regulators, permittees, vendors, and news media representatives
- Environmental conferences and trade shows
- A news announcement mailed by Battelle to more than 300 media outlets, including major science publications and
- International efforts to describe the ETV's objectives and facilitate the use of verified environmental technologies.

Five technologies—NO/NO₂ portable analyzers—were previously verified by the AMS Center:

- ECOM A-Plus, ECOM America, Ltd., Norcross, GA;
- Enerac 3000E, Enerac Division of Energy Efficiency Systems, Inc., Westbury, NY;
- Horiba PG-250, Horiba Instruments, Inc., Irvine, CA;
- Testo Model 350, Testo, Inc., Flanders, NJ; and
- TSI Combustion, TSI, Inc., St. Paul MN.

Complete test results and verification statements for these companies are also posted on the ETV web site ({ HYPERLINK <http://www.epa.gov/etv> }).

If you need further information, please contact:

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Visit the AMS pilot on the Web at
http://www.epa.gov/etv/07/07_main.htm.

Resolution Recognizes ETV Program Success

The New England Governors' Conference issued a resolution commending the U.S. Environmental Protection Agency's Environmental Technology Verification (ETV) program for accelerating the introduction of new technologies.

Signed by Massachusetts Governor Argeo Paul Cellucci, chairman of the conference, the resolution recognized the ETV program's effort to "improve the environment and protect consumers of the new technologies."

The resolution also praises the program's effort to "encourage entrepreneurial business development and spur quality job growth in this high-technology sector."

In partnership with the EPA, Battelle manages the Advanced Monitoring System Center which verifies air and water monitoring technologies.

Five Companies Expected For Mercury CEMs Test

Five vendor companies are expected to participate in the first phase of the verification test of commercially available continuous emission monitors (CEMs) for mercury, which is being conducted by EPA's Environmental Technology Verification program's Advanced Monitoring Systems Center.

This phase of the test is being conducted at the Rotary Kiln Incinerator Simulator (RKIS), a pilot-scale facility at EPA's National Risk Management Research Laboratory (NRMRL) at Research Triangle Park, NC.

Vendor representatives were to participate in a training and familiarization session at the facility in late October, in preparation for the test, which is scheduled for mid-January. The test will evaluate the performance of the CEMs at the RKIS over a three-week period. The vendors expected to participate are:

- P.S. Analytical, Ltd., Kent, England
- Nippon Instruments Corp., Osaka, Japan
- Tekran, Inc., Toronto, Canada
- Ohio Lumex Co., Inc., Cleveland, OH, and
- EEI, Inc., Pluckemin, NJ.

Nippon Instruments Corp. has submitted two instruments for testing. Each of the other four companies submitted one instrument.